

CLAIMS

1. A method for delivering information within a computing environment, comprising:

- a) extracting information from an information source;
- b) transforming the extracted information;
- c) wrapping the transformed information into a message envelope having a standard format;
- d) routing the message envelope to at least one information target;
- e) unwrapping the message envelope to reveal the information received;
- f) mapping the received information to a format required by the information target;
- g) transforming the received information; and
- h) loading the received information into the information target,

wherein the extraction, transformation, and adaptation steps (a)-(c), respectively, are isolated from the routing step (d) such that the extraction, transformation, and adaptation steps may be executed simultaneously for a plurality of information sources distributed across the computing environment to produce a plurality of message envelopes and wherein the routing, unwrapping, mapping, transformation, and loading steps (d)-(h), respectively, are repeated for each of the plurality of message envelopes.

2. The method of claim 1 wherein the information is pulled from the source during the extracting step (a).

3. The method of claim 1 wherein the information is pushed from the source during the extracting step (a).

4. The method of claim 1 wherein the information extracted during step (a) comprises content changes to the source information at the time step (a) is performed as compared to the source information at a previous point in time.

5. The method of claim 1 wherein transforming the extracted information during step (b) further comprising applying one or more business rules to modify the extracted information.

6. The method of claim 1 wherein the message envelope further comprises an identification of the information source, a content definition identification [need to define in specification] and the content of the transformed information.

7. The method of claim 6 wherein the content definition identification is used to retrieve the content definition [need to define in the specification] from a metadata repository.

8. The method of claim 6 wherein wrapping the message envelope further comprising retrieving content definition from a metadata repository and applying the content definition to the transformed information to produce a message envelope.

9. The method of claim 6 further comprising placing the message envelope into an inbox queue to a router component for routing according to step (d).

10. The method of claim 9 wherein the information sources publish the message envelope to the inbox queue and the router component subscribes to the inbox queue.

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6 11. The method of claim 10 further comprising retrieving the message envelope from the
7 inbox queue, looking up the address of the information target in a cross-reference table, and
8 transmitting the message envelope to the information target.

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10 12. The method of claim 11 wherein looking up the address of the information target is cross-
11 referenced by the identity of the information source.

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13 13. The method of claim 12 wherein the cross-reference table resides in local memory within
14 the router component.

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16 14. The method of claim 11 wherein transmitting the message envelope comprises placing
17 the message envelope into an information target queue.

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19 15. The method of claim 14 wherein the router component publishes the message envelope to
20 the outbox queue and the information target subscribes to the outbox queue.

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22 16. The method of claim 15 wherein the message envelope is retrieved from the outbox
23 queue prior to unwrapping the message envelope.

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25 17. The method of claim 8 wherein unwrapping the message envelope further comprising
26 retrieving content definition from the metadata repository and applying the content definition to
27 the message envelope to reveal the transformed information.

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6 18. The method of claim 1 further comprising after unwrapping the message envelope,
7 filtering the transformed information prior to loading the transformed information.

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9 19. The method of claim 1 further comprising after unwrapping the message
10 envelope, aggregating a plurality of transformed information and loading the aggregation of
11 transformed information into the information target as a batch.

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13 20. The method of claim 1 wherein the information target comprises a data warehouse and a
14 data mart.

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16 21. The method of claim 1 wherein the process is executed on a plurality of computing
17 platforms within the computing environment.

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19 22. The method of claim 21 wherein the plurality of computing platforms comprise
20 information domains for an enterprise.

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6 23. A method for delivering information within a computing environment, comprising:

7 a) extracting information from an information source;

8 b) transforming the extracted information;

9 c) isolating the transformed information by wrapping the transformed information
10 into a message envelope having a standard format;

11 d) routing the message envelope to at least one information target;

12 e) unwrapping the message envelope to reveal the transformed information; and

13 f) loading the transformed information into the information target.

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